UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/924,491	08/09/2001	Meschia Maurilio	3410-29	2557

7590 04/26/2004

NIXON & VANDERHYE P.C.
8th Floor
1100 North Glebe Road
Arlington, VA 22201-4714

EXAMINER	
AMINZAY, SHAIMA Q	

ART UNIT	PAPER NUMBER
2684	4

DATE MAILED: 04/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/924,491	MAURILIO, MESCHIA	
	Examiner	Art Unit	
	Shaima Q. Aminzay	2684	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *13 June 2001*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-15* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-15* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *2/08/27/02*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

Detailed Action

Specification

The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

Arrangement of the Specification

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

(a) TITLE OF THE INVENTION.
(b) CROSS-REFERENCE TO RELATED APPLICATIONS.
(c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.
(d) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC (See 37 CFR 1.52(e)(5) and MPEP 608.05. Computer program listings (37 CFR 1.96(c)), "Sequence Listings" (37 CFR 1.821(c)), and tables having more than 50 pages of text are permitted to be submitted on compact discs.) or
REFERENCE TO A "MICROFICHE APPENDIX" (See MPEP § 608.05(a). "Microfiche Appendices" were accepted by the Office until March 1, 2001.)
(e) BACKGROUND OF THE INVENTION.
(1) Field of the Invention.
(2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.
(f) BRIEF SUMMARY OF THE INVENTION.
(g) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
(h) DETAILED DESCRIPTION OF THE INVENTION.
(i) CLAIM OR CLAIMS (commencing on a separate sheet).
(j) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
(k) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

1. This is the first action, application filed on 08/09/2001.

2. Preliminary Amendment considered.

3. Independent Claim 1, and dependent claims 2-15 are pending in the case.

4. The present title of the application is "Network connection system for machine tools, particularly injection presses for plastics".

NONE FINAL ACTION

Claim Rejections – 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) Patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6. Claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Harrison U. S. Publication Number 20030176200, in view of Welty U. S. Patent Number 5109222.

7. Regarding claims 1, Harrison teaches a network connection system (Figure 1) and a plurality of devices destined (Figure 1, elements 3-8) to be connected to a network to share common resources and exchange data (see for example,

[0053], lines 1-8), characterized in that said network is a wireless network (see for example, [0025], lines 1-3), and a device for connection to said wireless network (see for example, Figure 1, element 7), through radio communication in frequency bands available for radio communications (see for example, [0003], lines 1-10; [0004], lines 1-4, [0005], lines 6-13, [0063], lines 1-2), and connection to the wireless network being able to communicate with a server (see for example, Figure 1, Server 1, and paragraph [0053], lines 1-8), also provided with a device (Figure 1, element 7) for connection to the wireless network (Figure 1) and/or with at least one access point (Figure 1, element 2) connected to a hard-wired network (see for example, paragraph [0053], lines 5-8).

However, Harrison does not teach a plurality of machine tools for a particular injection presses for plastics.

Welty teaches a variety of equipments connected to a remote control network (see for example, Figure 5, column 3, lines 14-23, and lines 30-31, lines 47-48, lines 58-59; "a plurality of machine tools for a particular injection presses for plastics" can be connected to the remote control system as the connections is being made to the heating and cooling systems, home appliances and etc.)

It would have been obvious to one of ordinary skill in the art at the time invention was made to combine Welty's equipments connection to a remote control wireless network (see for example, column 6, lines 5-14) with Harrison's wireless network connection system to provide a system that ensure data is routed through the transceivers without overloading of any one given transceiver

(paragraph [0012], lines 1-4), and to provide a wireless system for any type of equipment that is connected to the system with high communication and quality service (see for example, paragraph [0133], lines 1-6, and paragraph [0134], lines 1-2).

8. Regarding claims 2, Harrison and Welty teach claim 1, and further, Harrison teaches the wireless network and said at least one access point (2 as in Figure 1) data are exchanged in a frequency band ranging between 2.4 GHz and 2.5 GHz (see for example, paragraph [0005], lines 6-13, and the "unlicensed radio band which can be used freely around the world"; and paragraph [0063], lines 1-2).

9. Regarding claims 3, Harrison and Welty teach claim 1, and further, Harrison teaches computer (see for example, Figure 1, element 7) in which said device (7) for radio communications is installed (see for example, paragraph [0005], lines 1-4; [0054], lines 1-8; [0055], lines 1-7; and [0063], lines 1-2).

10. Regarding claims 4, Harrison and Welty teach claim 1, and further, Harrison teaches the wireless network and/or said hard-wired network is/are managed by a server (Figure 1, element 1, and see for example, [0053], lines 1-8).

11. Regarding claims 5, Harrison and Welty teach claim 4, and further, Harrison teaches server (1, Figure 1) is connected to said hard-wired network through a hard-wired connection (10) by means of network boards (11, 12, and 13; each contains network board to communicate with server (1) for transmission via cable (see for example, paragraph [0056], lines 1-5).

12. Regarding claims 6, Harrison and Welty teach claim 4, and further, Harrison teaches server (1, Figure 1) is connected to said hard-wired network through a radio link (see Figure 1, server (1), and hardwired connections to access points (2)) by means of said radio communications device (see for example (7) in Figure 91); paragraph [0063], lines 1-2, and [0076], lines 1-11).

13. Regarding claims 7, Harrison and Welty teach claim 6, and further, Welty teaches server is a computer of one of the machine tools (see for example, column 3, lines 47-62; the "machine tools" can be implemented as the electrically operable equipments).

14. Regarding claims 8, Harrison and Welty teach claim 1, and further, Harrison teaches peripheral devices (see for example, Figure 1, element (13)) are connected to said network through a hard-wired connection (10) by means of network boards (for example the interface board in peripheral 13) for transmission via cable (see for example, [0056], lines 1-5).

15. Regarding claims 9, Harrison and Welty teach claim 1, and further, Harrison teaches peripheral devices (see for example, Figure 1, element (13)) are connected to said hard-wired network through a radio link, by means of devices for radio transmission (see for example, [0003], lines 1-6; [0004], 1-4; [0063], 1-2).

16. Regarding claims 10, 11, 12, and 13, Harrison and Welty teach claim 1, and further, Harrison teaches server (Figure1, 1) has devices for connection to another local network (LAN) or to a WAN external network by a cable or radio

link (see for example, [0081], lines 1-7, and [0084], lines 1-3; [0063], lines 1-2), and device (Figure 1, 2) for connection of the server (Figure 1, 1) to another outside network (WAN or LAN (Figure 1, 14) is an analogical or digital modem (see for example, paragraph [0072], lines 1-8, and Figure 3, server interface (30)) or a router (see for example, [0077], lines 5-8).

17. Regarding claims 14 and 15, Harrison and Welty teach claim 1, and further, Harrison teaches network (Figure 1) is an Ethernet local network (LAN) of the linear type (see for example, [0060], lines 1-4), and star type with a hub distributor device (see for example, [0075], lines 1-4).

Conclusion

1. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure
2. Wang, I/O card device and method for making the same

Inquiry

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shaima Q. Aminzay whose telephone number is 703-305-8723. The examiner can normally be reached on 7:00 AM -5:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 703-308-7745. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9314. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the TC 2600's customer service telephone number is 703-305-3900.

NAY MAUNG
SUPERVISORY PATENT EXAMINER

Shaima Q. Aminzay
(Examiner)

Nay Maung
(SPE)
Art Unit 2684

April 14, 2004